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2 ABSTRACT OF THE DISCLOSURE

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4 This invention is of a method and equipment for reducing
5 stress concentrations in a body supported in a horizontal or
6 any reclining position up to and including a fully seated
7 position. The stress reduction is accomplished by means of
8 specially designed or arranged cushioning material contained
9 inside a membrane or bladder wherein the pressure of a fluid
10 inside the membrane can be controlled as a means of varying
11 the cushioning effect (compressibility) of the material inside
12 and holding the cushioning material in specific places to
13 reduce fight-back of the material over supporting edges that
14 may otherwise create undesirable shear on the supported body
15 tissue.